

# FY05 Annual Review

## NAVAL SAFETY CENTER

# A MISHAP-FREE NAVY+ MARINE CORPS *Team*



# Commander's Statement



George E. Mayer  
Rear Admiral, USN  
Commander, Naval Safety Center

## FY05 Data and Trends

FY05 produced solid progress in Navy and Marine Corps safety. We performed better than the five-year average in two-thirds of the mishap categories.

Looking at combined Navy-Marine mishap rates, bright spots included Aviation Class A Flight Mishaps and Private Motor Vehicle Fatalities, in both of which we had our third best year ever. Comparing FY05 to FY02, many areas showed substantial reductions: Navy Operational Motor Vehicle Class A Mishaps (58% reduction), Marine Corps Class A Flight Mishaps (46%), Marine Corps Private Motor Vehicle Fatalities (32%), Marine Corps Civilian Lost Work Days (29%), and Navy Civilian Lost Work Days (27%).

However, many areas remain troubling. Combined MV Class A Operational Mishaps and Total Navy/Marine Military Operational Fatalities were both worse than the previous five year period. For the latter, the total number of fatalities was more than double the best year, and the rate was more than triple the best year. The Navy mishap rate for Afloat Class A Operational Mishaps and the Marine Corps rate for MV Class A Operational Mishaps were both the worst in thirteen years.

Total Marine Military Operational Fatalities were also worse than the previous five-year period, with a total number of deaths and a rate more than five times worse than the best year.

Traffic wrecks, of course, remain a chronic issue. Half of the 212 Sailors and Marines who died in mishaps were killed in PMVs. A major problem area continues to be with motorcycles, which have killed 92 Sailors and Marines since January 2003. Given that motorcycles are increasingly popular, and that motorcycle crashes are 27 times more likely to result in fatalities than passenger car crashes, this is a major cause for concern. At least 15% of the Sailors and Marines weren't wearing helmets (in 24% of the other mishaps, helmet use was unreported). Data show that motorcyclists who do not wear helmets are 40% more likely to suffer a fatal head injury in motorcycle crashes. Fifty-five percent of the people who died in these wrecks were between the ages of 21- 27. Seventy-one percent were between the pay grades of E-4 and E-6.

## Looking Ahead

Two of the things that are critical to continue mishap reduction are the personal involvement of leaders at every level and the use of effective risk management practices by every one of our personnel—active duty, reserve, and civilian, both on and off duty. Risk management is a life skill for personal and professional success. It focuses on the accomplishment of the current mission while preserving the equipment and personnel to accomplish future missions.

Once everyone is trained and motivated to personally manage risk in everything they do, we will have achieved the cultural change necessary to prevent mishaps.

There are myriad things to do in support of local safety programs. A wealth of programs, initiatives, and best practices are available at the Naval Safety Center Toolbox, located on our web site at <http://safetycenter.navy.mil/toolbox/>. This link takes you to hundreds of resource pages for all communities, and for on- and off-duty topics. A particularly useful tool for combating traffic mishaps is the Army's excellent traffic-risk-management website, ASMIS, which lets a web visitor put in the details of a planned trip and get a risk assessment and solid advice about how to reduce those risks. During the 600,000 individual trips for which risk-assessments were done, there have been zero fatal mishaps. Find out about ASMIS at <http://safetycenter.navy.mil/articles/ASMIS.htm>.

We cannot accept mishaps as a cost of doing business. We cannot afford to lose people and equipment capital to mishaps. Not only do these losses extract an emotional toll on our shipmates and their families and loved ones, but they also impair readiness.

Our work is cut out for us in FY06.

# Highlights of FY05

## LEADERSHIP TOOLS

The following tools were provided to Navy and Marine Corps leaders to assist in mishap reduction:

The **2005-2006 Navy Safety Campaign Plan**, subtitled "The Commander's Guide to Mishap Reduction," was the first safety resource guide offering numerous tools and resources to help with the Navy's mishap-prevention efforts. It delves into the Navy's safety climate by addressing how leadership can create a culture where there is a sense of safety authority, responsibility, and accountability. The guide was distributed to more than 3,000 Navy leaders.

The **Commander's Guide to Marine Corps Safety and Occupational Health Programs** is designed to provide an introduction and "quick look" reference for major USMC safety programs. It is also intended to provide every commander, executive officer or deputy commander with adequate information to direct appropriate inquiries to their safety officer or the base safety center.

The **Web-Enabled Safety System (WESS)** was introduced as a new way of doing business. We refined the J-Report feature to allow customers for the first time to pull their data report online. We also deployed aviation hazard-reporting and BASH with a new online-endorsement system.

As part of our media campaign, the **Mishap Reduction Kit** was developed to build safety awareness, provide information, gather training and education resources, and contribute to a safer way of life for Sailors and Marines. We received approximately 200 requests from safety officers and public affairs officers. To receive this media kit on a CD via regular mail, a request form is available on our website at <http://www.safetycenter.navy.mil/mishapreduction/mediakit/default-ver5.htm>.

Many Navy and Marine Corps safety departments have created initiatives and launched programs that are making a difference in preventing mishaps. Our website launched a **Best Practices** page which serves as an informal, quick way to share these efforts with a fleet-wide audience. Best practices offer ideas and inspiration for establishing new safety programs or improving existing ones.

## STRATEGIC PARTNERSHIPS

In exploring strategies for improving traffic and recreation safety, we realized that partnerships with local, national, and regional organizations could significantly contribute to our success. Private and civic organizations want to help pass the word about key safety messages by extending their resources, ideas, and funding to the military. Some of our collaborations include:

### National Highway and Traffic Safety Administration (NHTSA)

Complete the Pass Super Bowl Planner  
Click It or Ticket Safety Belt Campaign

### Media Network

Cox Communications  
Navy Times  
Sinclair Communications  
Sea&Shore Magazine  
The Wall Street Journal  
USA Today

### Law Enforcement

International Association of Chiefs of Police —  
Chiefs' Challenge Traffic Safety Program

### Safe Communities

Department of Motor Vehicles  
Drive Smart Virginia  
Naval Medical Center Portsmouth

### Non-Profit Safety Advocacy Groups

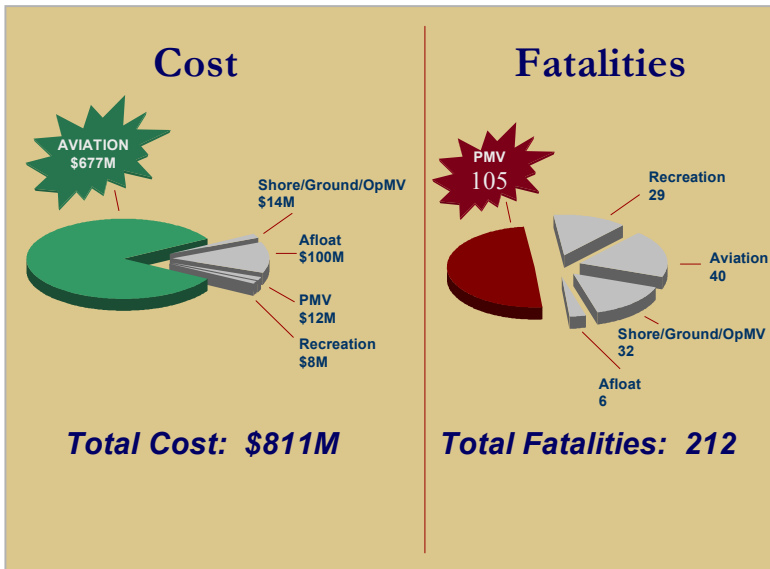
Motorcycle Safety Foundation  
ATV Safety Institute  
National Safety Council  
Governors Highway Safety Association

### Business Industry

Duval Guillaume, Brussels  
GEICO Car Insurance  
Anheuser Busch /Hoffman Beverage

# Fiscal Year in Review

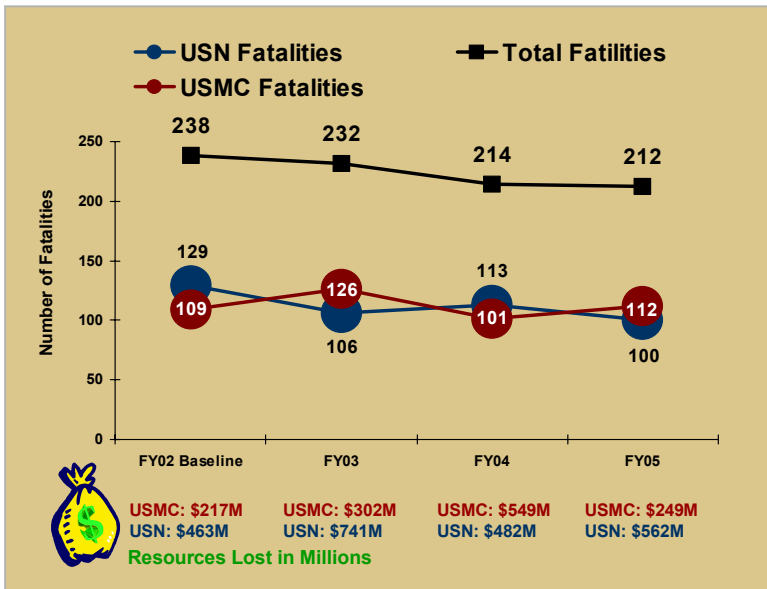
## FY05 USN/USMC Mishap Costs and Fatalities



**The Largest Challenge:  
Aviation Mishap Costs &  
Traffic/Off-Duty Recreation  
Fatalities!**

**FY02 through FY05:  
83-94% of Resources Lost –  
Aviation mishaps  
63-72% of Deaths – PMV &  
Recreation mishaps**

## Fatalities and Resources Lost During 50% Mishap Reduction Campaign



Safety mishaps have a tremendous impact on our readiness. Personnel and material resources lost significantly impact our operational readiness during the Global War on Terrorism and our involvement in Iraq and Afghanistan.

PMV and Recreation Off-Duty fatalities comprise an average of 70% of all non-combat related USN/USMC fatalities per year.

### MAGNITUDE OF ACCIDENTS

#### FY05 mishaps resulted in:

- 1 Navy death every 88 hours (3.7 days)
- 1 Marine Corps death every 78 hours (3.3 days)
- 1 POV death every 83 hours (3.5 days)
- 1 Aviation death every 9 days
- 1 Active duty military injury every 6 hours
- 1.8 Military members hospitalized every day
- 11.33 Civilian man-years lost
- 1 Aircraft destroyed every 20 days
- \$1.85 million (approx.) a day in aviation losses

# Aviation

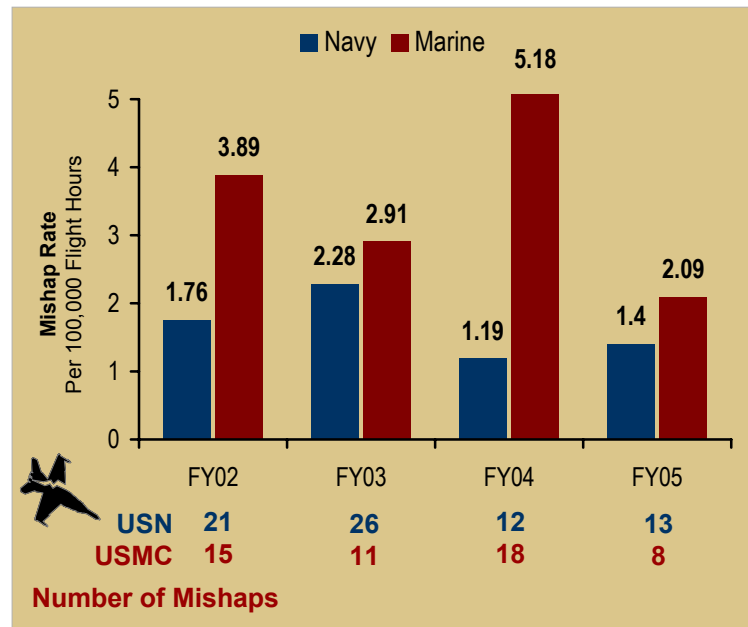
## SAFETY SURVEY CONCERNS

FY05 surveys of more than 90 aviation commands revealed:

1. Underreporting of hazards.
2. Check-in-the-block execution of safety program events.
3. Squadrons don't follow their own instructions.
4. Poor QA audit programs and other maintenance shortcuts.
5. Flight surgeons – too much time in the clinic, too little time in the squadron.
6. ANYMOUSE Program – not promoted within the squadron.
7. Flight-time distribution – budgetary constraints impacting training flight hours available for aircrews, which affects proficiency of aircrew personnel.
8. Aircraft availability – scarce resources leads to sharing assets and threatens to circumvent established safeguards.
9. Read-and-initial programs – ineffective for passing the word.
10. Oil-consumption program – not complying with 4790.

This chart illustrates Class-A Flight Mishap trends since FY02.

## Class-A Flight Mishap Rates

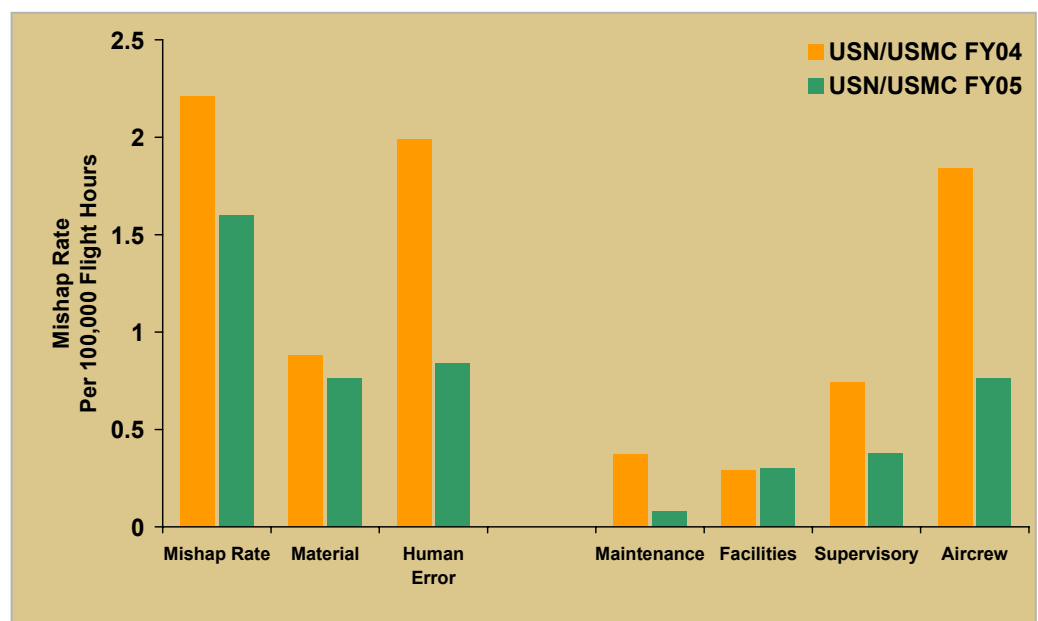


While the overall naval mishap rate has decreased slightly since FY04, the Material related mishap rate has remained relatively constant.

For FY05, preliminary results indicates a significant decrease in Human Error related mishaps. The primary contributor to the decrease in Human Error mishaps was a statistically significant decrease in mishaps that had Aircrew Errors. However, Aircrew continue to be cited as the primary contributing sources of the Human Errors in mishaps.

Data continues to be collected as FY05 SIRs are completed.

## Mishap Causal Factors Class-A Flight Mishaps USN/USMC FY05 vs. FY04





# Aviation Flight and Ground Class-A Mishaps

## AVIATION MISHAPS AND FATALITIES

**23 Mishaps: 21 Flight Mishaps, 2 Ground Mishaps**

**40 Fatalities: 8 Sailors, 32 Marines**

## NAVY FLIGHT AND GROUND CLASS-A MISHAPS

- 24 Sep 05**    **HSL-44/FM** – Aircraft crashed during night DLQs after radioing to control agency of flight control malfunction. 3 fatalities.
- 21 Sep 05**    **VS-32/FM** – S-3B crashed while on PAR approach in thunderstorm conditions. 2 fatalities.
- 12 Aug 05**    **VFA-122/GM** – AN fell from FA-18F cockpit area during plane captain training and sustained permanent total disability (paralysis).
- 18 Jul 05**    **VFA-122/FM** – FA-18E and FA-18F collided during ACM butterfly set – 1 fatality, both aircraft destroyed.
- 9 Jun 05**    **VAW-120/FM** – Engine fire in flight – aircraft departed end of runway at OLF during an emergency landing. No fatalities.
- 11 May 05**    **VT-22/FM** – T-45 pilot inadvertently shut down engine while on final – pilot ejected safely.
- 22 Mar 05**    **VT-7/FM** – Aircraft stalled in night FCLP crosswind turn when student pilot lost and then regained sight of interval in crowded FCLP pattern. 1 fatality.
- 16 Feb 05**    **HC-4/FM** – Aircraft crashed while pilot was demonstrating a simulated dual engine failure at low altitude. No fatalities.
- 29 Jan 05**    **VFA-102/FM** – Cross deck pendant separated during arrested landing – pilot and WSO ejected safely, 6 flight deck injuries (2 with partial permanent disability).
- 25 Jan 05**    **HM-14/FM** – MH-53E ditched at sea during mine-hunting training flight due to imminent MGB failure. No fatalities.
- 10 Jan 05**    **HS-2/FM** – Aircraft experienced loss of tail rotor control resulting in a crash landing at approximately the 90 degree position of the landing pattern. No fatalities.
- 1 Dec 04**    **NFDT/FM** – Flight Demonstration Team Pilot attempted aerobatic maneuver at low altitude. Aircraft was damaged and subsequently crashed into water. Pilot ejected safely.
- 9 Nov 04**    **VFA-131/FM** – Aircraft experienced catastrophic first stage fan blade failure, resulting in complete loss of flight control systems. Pilot ejected safely.
- 7 Oct 04**    **HS-15/FM** – Aircraft experienced a loss of tail rotor drive due to disengagement of the input and output jaws, causing the aircraft to impact the ground shortly after take-off. No fatalities.

# Aviation Flight and Ground Class-A Mishaps

## AVIATION MISHAPS AND FATALITIES

**23 Mishaps: 21 Flight Mishaps, 2 Ground Mishaps**

**40 Fatalities: 8 Sailors, 32 Marines**

## MARINE FLIGHT AND GROUND CLASS-A MISHAPS

- 14 Jul 05**    **VMA-542/FM** – An AV-8B experienced an engine in-flight fire during tactical training. Pilot ejected safely.
- 09 Jul 05**    **VMA-542/FM** – Returning from a cross country an AV-8B with electrical problems made a gear up landing, the aircraft was further damaged by a follow on ground fire. No injuries.
- 30 Jun 05**    **HMT-302/GM** – CH-53E landing gear retracted during taxi. Tail boom subsequently departed aircraft. One injury.
- 15 Jun 05**    **VMA-513/FM** – An AV-8B experienced controllability problems on short final during RTB from a tactical mission causing aircraft to impact ground. Pilot ejected safely.
- 02 May 05**    **VMFA-323/FM** – Two F-18Cs collided during approach phase of flight. Two fatalities.
- 05 Apr 05**    **HMM-165/FM** – CH-46E struck an aerostat-balloon tether cable ending in subsequent loss of this theater asset. Aircraft returned to base. No injuries.
- 26 Jan 05**    **HMH-361/FM** – CH-53E crashed after entering instrument meteorological conditions at night and becoming disoriented. 31 fatalities.
- 13 Jan 05**    **HMM-165/FM** – An AV-8B experienced an unrecoverable loss of power while in the landing pattern at sea. Pilot ejected safely.
- 01 Dec 04**    **VMA-214/FM** – An AV-8B crashed after experiencing an engine failure during a maintenance flight. Pilot ejected safely.

# Surface Ships, Submarines, Operational Diving

## GENERAL SAFETY CONCERNS

Below are the areas of concern:

- Human error is responsible for 90% of shipboard mishaps.
- Chronic fatigue impacts decision making ability and judgment of shipboard personnel (especially watch standers).
  - Schedule shipboard evolutions to maximize personnel "downtime" for recuperative sleep.
- Shipboard lighting during NVG flight operations makes visual detection difficult by other vessels.
  - NVG use by bridge/lookout personnel greatly enhance visual detection of surface craft.
  - Ensure quick return to normal underway lighting configuration following completion of NVG flight operations.
- Heat-related injuries prevalent during summer.
  - Main Space Fire drill packages should address temp limits and first-aid requirements.
  - Flight/Hangar Deck personnel rotation should incorporate exposure limits.
- Strict adherence to CO's Standing Orders and Rules of the Road critical to safe operation.
- Personnel must adhere to JFFM and QA process throughout entire maintenance evolution.

## LEADING CAUSAL FACTORS

- Inadequate supervision
- PMS not accomplished
- Poor crew resource management
- Lack of situational awareness
- Complacency

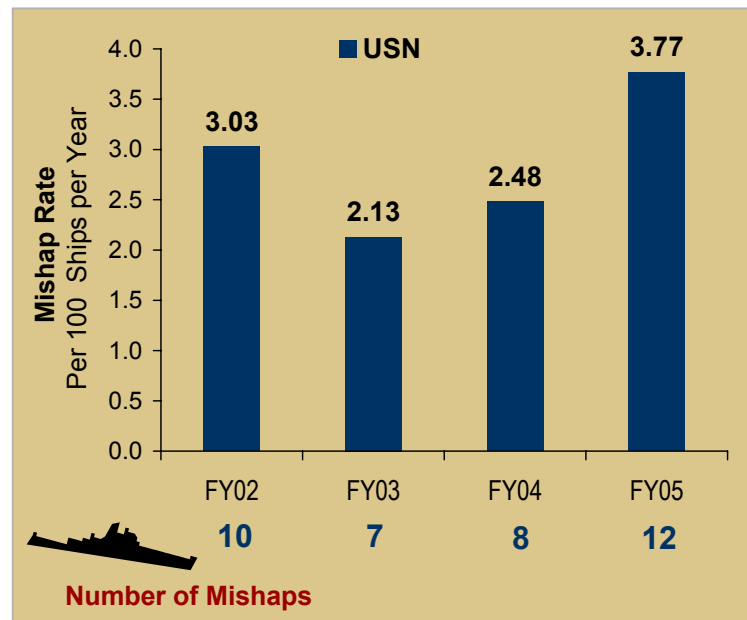
## AFLOAT MISHAPS AND FATALITIES

**12 Mishaps; 6 Fatalities**

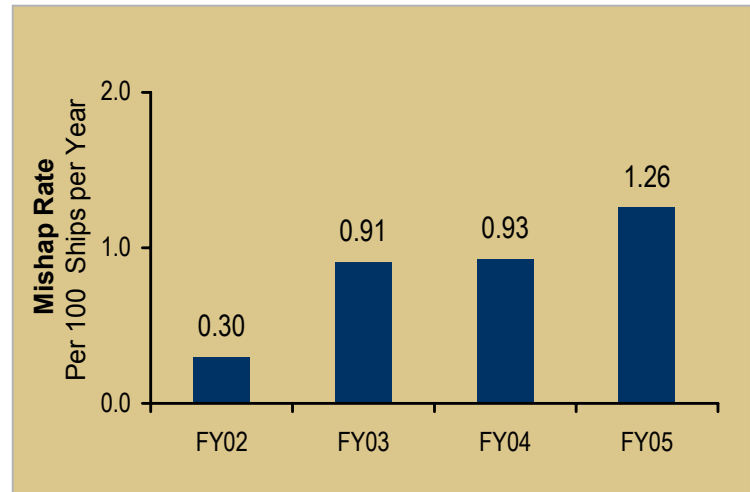
## AFLOAT CLASS-A MISHAPS

- 12 Sep 05** *Princeton* – BMSN did not report for watch. Muster and search of ship unsuccessful.
- 08 Sep 05** *Dewert* – Class B fire in gas turbine module.
- 05 Sep 05** *Philadelphia* – Submarine collided with Turkish cargo ship.
- 22 Aug 05** *Winston S Churchill & McFaul* – Two DDGs collided during fleet exercise.
- 10 Aug 05** *Dubuque* – BM2 struck by shackle attached to eye splice. Both legs amputated below knee.
- 23 Jul 05** *Bataan* – AOAN died after being pinned between forklift and bulkhead.
- 05 Jul 05** *Bataan* – LT was found deceased in stateroom after PT.
- 01 Jul 05** *Paul Hamilton* – MRG damaged due to loss of lube oil.
- 07 Jun 05** *Essex* – DC2 received fatal injuries after AFFF pipe separated exposing DC2 to H2S/AFFF.
- 19 Mar 05** *Patriot* – Ship struck underwater obstruction.
- 17 Jan 05** *Ronald Reagan* – MM1 died of 2nd and 3rd degree burns to 70% of body.
- 08 Jan 05** *San Francisco* – Submerged submarine ran aground damaging hull. One fatality, 23 injured.

## Class-A Afloat Mishap Rates



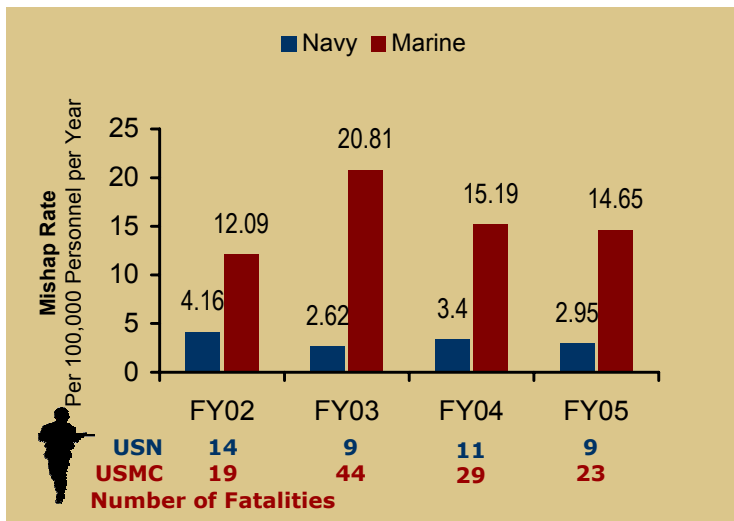
## Class-A Afloat Collision/Grounding History





# Shore/Ground Operational

## Shore/Ground Operational Class-A Mishap Rates



## WHAT CAUSED SHORE/GROUND OPERATIONAL MISHAPS?

- Human error - 95%
- Supervisory failure
- Poor training
- No use of ORM
- Lack of safety culture

## SHORE/GROUND OPERATIONAL MISHAPS AND FATALITIES

**37 Mishaps: 11 Navy, 26 Marine**

**32 Deaths: 9 Sailors, 23 Marines**

## NAVY SHORE/GROUND OPERATIONAL CLASS-A MISHAPS (INCL MV)

### OPERATIONAL

**13 Sep 05 Anzio** – HTCM collapsed and died during command sponsored PT.

**23 Aug 05 NAWS China Lake** – Civilian forklift driver was killed when load fell on top of him.

**22 Aug 05 Harry S Truman** – DC1 died after participating in command sponsored PT.

**23 May 05 Iwo Jima** – MM2 passed out after PRT and died later that night at hospital.

**18 Apr 05 U.S. Naval Academy** – LT died of a heart attack after completing PRT.

**16 Dec 04 ACU 5** – LCAC 23 experienced a gas turbine main engine failure.

**22 Nov 04 NROTC Unit, University of Florida** – LTJG became motionless during command PRT swim.

**30 Oct 04 NMCB 4** – BU2 suffered broken leg. Died from possible pulmonary embolism or heart attack.

**22 Oct 04 NMCB 133** – PO1 suffered cardiac arrest during PT.

### OPERATIONAL MOTOR VEHICLE

**09 Mar 05 1<sup>st</sup> Naval Construction Division/Underwater Construction Team 1** – BU1 passenger was ejected and killed in a GMV mishap.

**01 Oct 04 EODMU3** – PR3 died from injuries received when he climbed out of moving GMV.

# Shore/Ground Operational Class-A Mishaps

## MARINE SHORE/GROUND OPERATIONAL CLASS-A MISHAPS (INCL MV)

### GROUND OPERATIONAL/TACTICAL MV

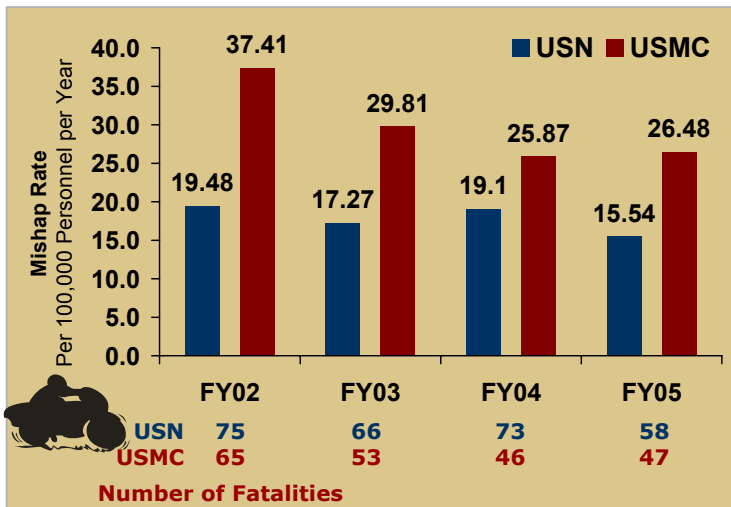
- 06 Sep 05 2<sup>nd</sup> MARDIV** – HN was killed in an HMMWV rollover.
- 25 Aug 05 1<sup>st</sup> MARDIV/1<sup>st</sup> Recon** – PFC died of heat-related injury during training.
- 04 Aug 05 MCRD San Diego** – PVT collapsed during two-mile run, pronounced dead at hospital.
- 01 Aug 05 MCRD San Diego** – SGT finished water-rescue exercise and became unresponsive. Removed from pool with no pulse.
- 25 Jun 05 3<sup>rd</sup> MARDIV** – LCPL drowned when his vehicle slid into a river after edge of road collapsed.
- 09 Jun 05 3<sup>rd</sup> MARDIV** – AAV sank while being towed by another AAV
- 08 Jun 05 2<sup>nd</sup> FSSG** – LCPL was killed in a HMMWV rollover.
- 07 Apr 05 2<sup>nd</sup> MARDIV** – LCPL on patrol was struck and killed by HMMWV.
- 22 Feb 05 1<sup>st</sup> MARDIV** – LCPL died after being crushed by an HMMWV.
- 10 Feb 05 1<sup>st</sup> FSSG** – LCPL died after being crushed between two vehicles.
- 08 Feb 05 MCRD Parris Island** – PVT died after becoming unresponsive in water during swim qualification.
- 04 Feb 05 II MEF** – LTCOL collapsed and died during PT at a gym.
- 28 Jan 05 1<sup>st</sup> FSSG** – SGT electrocuted by hanging high voltage wire.
- 14 Jan 05 1<sup>st</sup> MARDIV** – CPL fatally injured from an accidental M-16 gunshot wound.
- 28 Dec 04 3<sup>rd</sup> MAW** – SSGT fatally injured and SGT injured when an object exploded during an attempt to render it safe.
- 21 Dec 04 1<sup>st</sup> MARDIV/31<sup>st</sup> MEU** – LCPL fatally injured while serving as gunner in HMMWV when vehicle rolled over.
- 07 Dec 04 I MEF/1 MHG** – CPL suffered fatal injuries when 7-ton vehicle flipped onto its side.
- 01 Dec 04 1<sup>st</sup> MARDIV** – CPL passenger killed when tactical vehicle rolled over.
- 18 Nov 04 MCRD Parris Island** – Recruit found unconscious at reveille. Transported to hospital and pronounced dead.
- 08 Nov 04 I MEF/1<sup>st</sup> FSSG** – CPL & LCPL drowned when bulldozer fell into river.
- 24 Oct 04 1<sup>st</sup> MARDIV** – LCPL suffered fatal injury in HMMWV roll over.

### GROUND OPERATIONAL VEHICLE

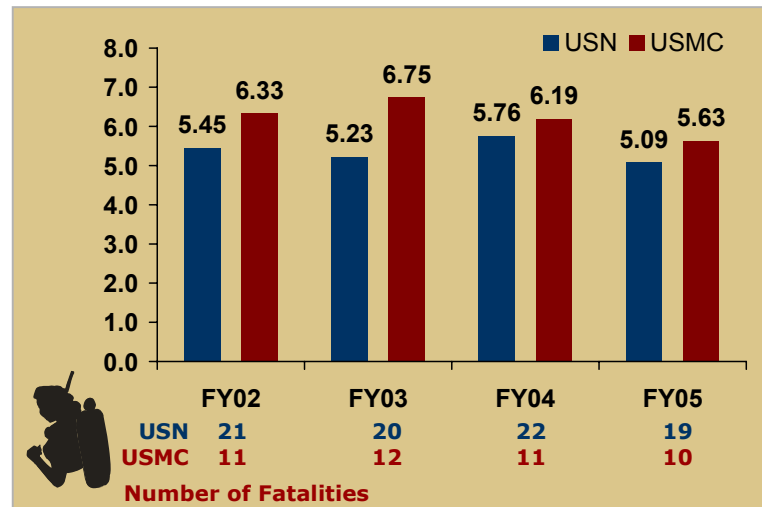
- 21 Sep 05 MCRD San Diego** – SGT killed when GMV he was driving struck POV.
- 21 Jul 05 4<sup>th</sup> Marine Corps District** – SSGT driving GMV in rain hit by civilian motorcyclist. Civilian died.
- 15 Jun 05 12<sup>th</sup> Marine Corps District** – SGT driving GMV struck and killed civilian motorcyclist.
- 27 Jan 05 1<sup>st</sup> Marine Corps District** – SSGT driving GMV struck and killed civilian.
- 11 Dec 04 1<sup>st</sup> Marine Corps District** – PVT died in a motor vehicle mishap.

# Traffic and Recreation/Off-Duty

## PMV Fatality Rates



## Recreation/Off-Duty Fatality Rates

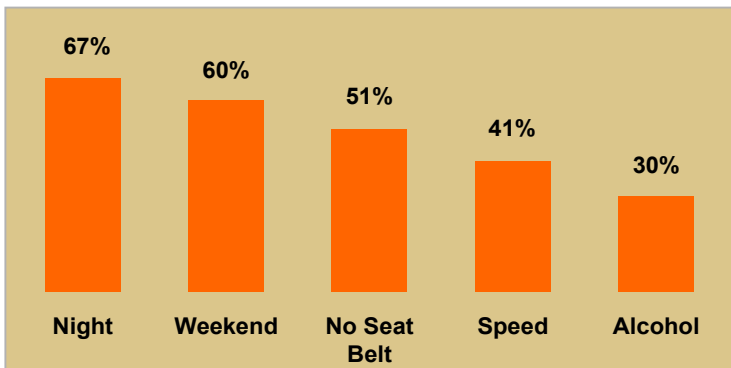


### Below are findings from our analyses of PMV fatalities:

1. We know when they happen and why.
2. Two-thirds of them happen at night.
3. Six in ten happen during the weekend.
4. We know that in half of the PMV fatalities reporting seat-belt use, victims actually were not wearing them.
5. Four in ten of them were speeding.
6. Almost a third were killed as a result of drunk driving.

Of course, in some of these mishaps, more than one of these factors were involved.

### Factors in Traffic Fatalities USN/USMC, FY02-04



### Our investigations revealed the following reasons why these mishaps are happening:

1. Inadequate training.
2. Failure to follow regulations.
3. Lack of experience at activity.
4. Command lacks knowledge of high-risk activities.
5. No Risk Assessment conducted.

### MAJOR CONTRIBUTORS TO THESE FATALITIES AND INJURIES:

- Drowning
- Falls
- Outdoor recreation
- Team and outdoor sports
- Water sports (jet skis, motorboat)
- Negligent firearms discharge

**Fatigue is considered a major factor in traffic deaths, but is under-reported throughout the fleet.**

# Traffic Fatalities

## TRAFFIC FATALITIES

**105 Fatalities: 58 Navy, 47 Marine**

### NAVY TRAFFIC FATALITIES

**17 Sep 05** *Peleliu* - ADAN was killed in a multiple vehicle mishap.  
**17 Sep 05** *Vella Gulf* - LTJG pedestrian was killed in a hit and run mishap.  
**14 Sep 05** *Ronald Reagan* - MM2 on motorcycle ran into back of stopped truck.  
**09 Sep 05** *Underwater Construction Team 1* - CM2 on motorcycle ran into the back of a parked bus.  
**02 Sep 05** *McInerney* - OS2 was killed after striking another vehicle and being ejected from his motorcycle.  
**25 Aug 05** *Trenton* - QM3 received fatal injuries when he lost control of motorcycle.  
**24 Aug 05** *Training Support Center San Diego* - MM1 was killed in a motorcycle mishap.  
**14 Aug 05** *NAVSECGRUACT Medina TX* - CTI3 was killed in a motor vehicle mishap.  
**14 Aug 05** *Harry S Truman* - MM1 riding as a passenger was killed in a single vehicle mishap.  
**06 Aug 05** *Navy Nuclear Power Training Unit Ballston Spa* - MM3 was killed in a single vehicle mishap.  
**31 Jul 05** *VFA-125* - AMEAR riding as a passenger was killed in a multiple vehicle PMV mishap.  
**31 Jul 05** *NAVMEDCEN Bethesda* - ENS was struck and killed by PMV while jogging.  
**15 Jul 05** *John F Kennedy* - PR1 on motorcycle struck by vehicle that failed to yield right of way.  
**14 Jul 05** *Hampton* - MM2 lost control of motorcycle and was thrown into a tree.  
**03 Jul 05** *AIMD Sigonella* - AT1 killed riding motorcycle after head on collision with another vehicle.  
**24 Jun 05** *VP-5* - AW2 killed while riding in a vehicle that impacted a semi-truck.  
**17 Jun 05** *Gettysburg* - GSMFA was ejected and killed from the bed of a pick-up truck.  
**01 Jun 05** *Asheville* - MM2 was killed in a motorcycle mishap.  
**27 May 05** *NSSC Bangor WA* - YN2 died after being thrown off and run over by motorcycle.  
**07 May 05** *Harry S Truman* - AO3 killed in a single vehicle mishap.  
**04 May 05** *Training Support Center Hampton Roads* - OSSA killed in a single vehicle rollover.  
**30 Apr 05** *VFA-136* - AT2 received fatal injuries when ejected from passenger seat during vehicle mishap.  
**30 Apr 05** *Naval Mobile Construction Battalion 4* - BU3 killed during single vehicle mishap.  
**10 Apr 05** *VFA-136* - AN lost control of motorcycle and struck telephone pole resulting in fatal injuries.  
**03 Apr 05** *CTF-67* - AS2 was killed in a motorcycle mishap.  
**28 Mar 05** *Hampton* - STS3 was killed in a single-vehicle mishap.  
**22 Feb 05** *Ronald Reagan* - SK1 was killed in a single vehicle mishap.  
**21 Feb 05** *CFFC/MARMC* - EM3 was killed in a single vehicle PMV mishap.  
**05 Feb 05** *Boxer* - OS3 was killed after colliding with highway bridge abutment.  
**30 Jan 05** *VAQ-134* - AT3 was killed in a single vehicle PMV mishap.  
**29 Jan 05** *NAVAIRSYSCOM* - LCDR was killed in a motor vehicle mishap.  
**23 Jan 05** *NAVCRUITDIST Portland* - ET2 struck by tractor trailer after exiting vehicle on side of highway.  
**22 Jan 05** *TRASUPPCEN Dam Neck* - IT2 was killed in a highway motor vehicle mishap.  
**19 Jan 05** *VFA-25* - AMAN was killed in a PMV mishap.  
**16 Jan 05** *Laboon* - FA struck a tree and was ejected from vehicle receiving fatal injuries.  
**03 Jan 05** *Dwight D Eisenhower* - OSSR drove into the back of a tractor-trailer truck receiving fatal injuries.  
**01 Jan 05** *NAVSTA Rota Spain* - CE3 was killed in a single vehicle traffic mishap.  
**23 Dec 04** *Mount Whitney* - ET2 killed in motorcycle crash in tunnel.  
**21 Dec 04** *NAVSECGRUCOM Detachment Denver* - CTT2 passenger killed in single vehicle mishap.  
**18 Dec 04** *Cowpens* - GM2 struck a moped and was thrown from motorcycle and fatally injured.  
**10 Dec 04** *US Naval Hospital Naples* - HM2 lost control of motorcycle and impacted another vehicle.  
**04 Dec 04** *VP-45* - AA was struck by vehicle while assisting another driver involved in a crash.  
**21 Nov 04** *Samuel B Roberts* - SN died from injuries sustained in a single vehicle mishap.  
**14 Nov 04** *VFA-22* - AD3 riding motorcycle died from injuries sustained in multi-vehicle mishap.  
**14 Nov 04** *AIMD NAS Whidbey Island* - AT3 and AT2 died from injuries sustained in an automobile accident.  
**11 Nov 04** *BUMED/Navy Dosimetry Center* - HN lost control of vehicle and collided with tractor trailer.  
**08 Nov 04** *Naval Coastal Warfare Grp 2/Mobile Security Sqd 6* - MA2 struck by vehicle while riding scooter.  
**07 Nov 04** *COMSIXTHFLT 7* - LCDR on bicycle was struck by vehicle.  
**07 Nov 04** *MAR MC Norfolk* - EN1 hit by a vehicle while riding motorcycle.  
**17 Oct 04** *NAVMARCORESCEN Raleigh NC* - BUCN killed in two-vehicle automobile accident.  
**15 Oct 04** *HSL-47* - AW3 crashed while exiting freeway off-ramp.  
**11 Oct 04** *AIMD NAS Jacksonville* - AO2 on motorcycle hit guardrail.  
**08 Oct 04** *Harry S Truman* - AO3 killed in single vehicle mishap.  
**06 Oct 04** *Hyman G Rickover* - CS2 died from injuries in multi-vehicle PMV mishap on interstate.

# Traffic Fatalities

## MARINE TRAFFIC FATALITIES

18 Sep 05	3 <sup>rd</sup> <b>MAW</b> - SGT lost control of motorcycle while negotiating a sharp turn and was ejected.
07 Sep 05	3 <sup>rd</sup> <b>MAW/MAG-11/MALS-11</b> - CPL was struck and killed while changing tire on highway.
23 Aug 05	<b>MCRD San Diego</b> - CAPT riding bicycle struck and killed by multiple vehicles.
11 Aug 05	<b>CNATT New River</b> - SSGT on motorcycle lost control of vehicle and struck street sign.
04 Aug 05	1 <sup>st</sup> <b>MARDIV</b> - PFC drifted into oncoming traffic and hit another PMV head-on.
03 Aug 05	<b>SOI Camp Pendleton</b> - PFC driving PMV was struck and killed by another PMV.
30 Jul 05	3 <sup>rd</sup> <b>MAW</b> - SGT on motorcycle was struck by truck leaving church parking lot.
21 Jul 05	3 <sup>rd</sup> <b>MAW</b> - SSGT on motorcycle was struck by SUV.
15 Jul 05	<b>II MEF/2<sup>nd</sup> FSSG</b> - LCPL struck by vehicle while walking on a road.
06 Jul 05	1 <sup>st</sup> <b>MARDIV</b> - LCPL lost control and rolled vehicle.
06 Jul 05	1 <sup>st</sup> <b>MARDIV</b> - PFC driving on wrong side of road collided with another vehicle.
03 Jul 05	3 <sup>rd</sup> <b>MAW</b> - PFC killed after losing control of vehicle causing it to flip and hit tree.
01 Jul 05	2 <sup>nd</sup> <b>MARDIV</b> - CPL received fatal injuries after losing control of vehicle and being ejected.
24 Jun 05	4 <sup>th</sup> <b>Marine Corps District</b> - SGT was killed when attempting to pass vehicle, lost control and hit tree.
11 Jun 05	1 <sup>st</sup> <b>MARDIV</b> - LCPL on motorcycle hit by drunk driver and killed.
31 May 05	1 <sup>st</sup> <b>MARDIV</b> - PFC was killed in a motorcycle mishap.
21 May 05	4 <sup>th</sup> <b>MARDIV</b> - SGT on motorcycle killed after losing control of vehicle at excessive speed.
20 May 05	3 <sup>rd</sup> <b>MAW/MAG-11</b> - LCPL driving at high speed impacted slow moving truck receiving fatal injuries.
18 May 05	1 <sup>st</sup> <b>MARDIV</b> - CPL lost control of motorcycle and hit utility pole receiving fatal injuries.
14 May 05	<b>Drum &amp; Bugle Corps Marine Barracks Washington DC</b> - CPL lost control of motorcycle.
05 May 05	3 <sup>rd</sup> <b>MARDIV</b> - LCPL in rear seat died when civilian driver lost control and struck trees.
28 Apr 05	<b>SOI Camp Pendleton</b> - PVT killed after sustaining a head-on motor vehicle crash.
17 Apr 05	<b>I MEF</b> - SGT was fatally injured after vehicle swerved entering highway and struck several vehicles.
15 Apr 05	<b>HMX-1</b> - LCPL lost control of vehicle, crossing center line and striking oncoming vehicle head-on.
03 Apr 05	<b>MCB Camp Butler</b> - SGT was fatally injured when he lost control of his motorcycle.
01 Apr 05	<b>II MEF/2<sup>nd</sup> FSSG</b> - HM3 was struck and killed by drunk driver, after stopping on side of highway.
12 Mar 05	<b>SOI Camp Pendleton</b> - PVT (passenger) ejected and killed after vehicle left road and overturned.
05 Mar 05	2 <sup>nd</sup> <b>MARDIV</b> - PFC lost control of vehicle after passing, went off road and hit power pole.
26 Feb 05	<b>CNATT MARU Cherry Point</b> - SSGT driving PMV struck and killed PFC riding mountain bike.
15 Feb 05	2 <sup>nd</sup> <b>MAW</b> - SGT riding motorcycle in foggy conditions collided with PMV.
13 Feb 05	4 <sup>th</sup> <b>MAW</b> - SGT lost control of his motorcycle, struck guardrail and went airborne.
11 Feb 05	1 <sup>st</sup> <b>MARDIV</b> - LCPL passenger killed when LCPL driver lost control of PMV.
23 Jan 05	1 <sup>st</sup> <b>FSSG</b> - LCPL and civilian passenger killed after vehicle struck tree and burst into flames.
09 Jan 05	2 <sup>nd</sup> <b>MARDIV</b> - CPL received fatal injuries after his motorcycle collided with another motorcycle.
06 Jan 05	<b>I MEF/1 MHG</b> - CPL received fatal injuries after losing control of vehicle and sliding into truck.
03 Jan 05	1 <sup>st</sup> <b>MARDIV</b> - LCPL died when vehicle drifted off the road and struck a tree.
28 Dec 04	12 <sup>th</sup> <b>Marine Corps District</b> - PVT was killed in a head on collision with another PMV.
17 Dec 04	3 <sup>rd</sup> <b>MAW</b> - LCPL fell asleep at wheel, drove off road, rolled vehicle and was ejected.
30 Nov 04	4 <sup>th</sup> <b>Marine Corps District</b> - PFC riding as passenger killed in a PMV head on collision.
28 Nov 04	1 <sup>st</sup> <b>MARDIV</b> - CPL collided head on with another vehicle.
27 Nov 04	<b>MCCDC/MCB Quantico</b> - CPL drove off the road and struck tree.
22 Nov 04	1 <sup>st</sup> <b>MARDIV</b> - 1 <sup>st</sup> SGT died after hitting patch of ice and sliding into on-coming vehicle.
18 Nov 04	1 <sup>st</sup> <b>MARDIV</b> - LCPL suffered fatal injuries in a single vehicle mishap.
08 Nov 04	2 <sup>nd</sup> <b>MARDIV</b> - LCPL ran stop sign and drove into ditch. LCPL ejected and suffered fatal injuries.
31 Oct 04	<b>MCCDC/MCRD San Diego</b> - LCPL collided with concrete divider.
16 Oct 04	2 <sup>nd</sup> <b>MARDIV</b> - PFC rear-ended two other PMVs, rolled over, partially ejected.
11 Oct 04	<b>MCSFC Norfolk</b> - SGT on motorcycle collided with PMV.



# Recreation/Off-Duty Fatalities

## OFF-DUTY/RECREATION FATALITIES

29 Fatalities: 19 Navy, 10 Marine

### NAVY RECREATION/OFF-DUTY FATALITIES

12 Aug 05 **VRC-30** - LT died in a private Cessna aircraft crash.  
 31 Jul 05 **VAQ-137** - E-4 found dead in barracks room. Possible huffing incident.  
 23 Jul 05 **George Washington** - FN drowned in apartment complex pool.  
 20 Jul 05 **NAVSPECWARGRU TWO LOGSUPPU** - GM1 lost control of vehicle and rolled it over.  
 17 Jul 05 **Preble** - FN was hit by a light rail trolley while walking along the trolley tracks.  
 25 Jun 05 **Military Airlift Command Scott AFB** - CDR was killed in an ATV mishap.  
 22 Jun 05 **RTC Great Lakes** - GM1 drowned while boating/swimming.  
 28 May 05 **VFA-113** - AN died as a result of drowning.  
 08 May 05 **U.S. Naval Academy** - MIDN died from injuries sustained while parachuting.  
 09 Apr 05 **U.S. Naval Academy** - MIDN 2/C fell from fourth story window resulting in fatal injuries.  
 21 Feb 05 **NETC/NATTC** - AR found in room not breathing and unresponsive.  
 17 Feb 05 **NETC/NATTC** - AN died from an accidental overdose of a prescription drug.  
 06 Feb 05 **CEODG1/Mobile Dive Salvage Group ONE** - HT2 died while sports parachuting.  
 05 Feb 05 **TRAWING FOUR** - ENS died while parasailing.  
 26 Nov 04 **Frank Cable** - MM1 was a victim of an accidental drowning.  
 20 Nov 04 **NAVSPECWARGRP TWO/Special Boat Team 22** - IT1 died from accidental gunshot wound.  
 14 Nov 04 **VFA-195** - AME2 was killed in a recreational motorcycle mishap.  
 08 Nov 04 **Spruance** - SN found dead in BEQ, determined huffing was cause of death.  
 23 Oct 04 **COMNAVNETWARCOM/Naval Center for Tactical Systems Integration** - E-5 discovered deceased Near a parking garage.

### MARINE RECREATION/OFF-DUTY FATALITIES

15 Sep 05 **3<sup>rd</sup> MAW** - CPL dove into water to save his uncle and drowned.  
 14 Sep 05 **MCB Camp LeJeune** - SGT fell from window and hit head on concrete.  
 04 Jul 05 **3<sup>rd</sup> MARDIV/3<sup>rd</sup> Marines** - CPL fell from bunker to pavement suffering fatal head injury.  
 04 Jul 05 **II MEF/4<sup>th</sup> MEB/Marine Security Guard Battalion** - SGT found dead in room. Possible alcohol intoxication.  
 19 Jun 05 **HQ BN MARFORRES** - CAPT riding as a passenger died in crash of kit-built helicopter.  
 18 Jun 05 **3<sup>rd</sup> MAW/MACG-38** - CPL riding jet ski was struck and killed by another jet ski.  
 24 Apr 05 **I MEF/13<sup>th</sup> MEU CE** - CPL was hit and killed by railroad locomotive.  
 12 Feb 05 **MCCDC/MATSG Meridian** - 1<sup>st</sup> Lt. killed when light aircraft in which he was a passenger crashed and burned.  
 01 Dec 04 **I MEF/1<sup>st</sup> FSSG** - LCPL stopped breathing after excessive alcohol intake.  
 07 Nov 04 **I MEF/3<sup>rd</sup> MAW** - SGT died from injuries received in an ATV accident.



# Recommendations for Improving Safety in Your Command

## **1 Naval Safety Center Website - The Tools Are There!**

- Traffic Safety Toolbox
- Army Safety Management Information System (ASMIS) – Online risk analysis
- Web-Enabled Safety System (WESS) – Online mishap reporting / database
- Leave and Liberty Risk Assessments

## **2 Ensure a SOLID Welcome Aboard, Sponsorship/Mentorship Program.**

- First impressions are lasting ones.
- On and off duty activities must be addressed.

## **3 Identify “high-risk” personnel within command.**

- Ensure leadership is engaged with subordinate personnel.
- Establish awareness training of high-risk activities and mentoring for high-risk personnel.
- Identify motorcycle operators and confirm required training is complete.
- Conduct Human Factors Councils to identify potential problems.

## **4 Do the inexpensive things at a minimum.**

- Schedule a Culture Workshop / Safety Survey.
- Distribute “Safe Ride” taxi cards.
- Conduct pre-holiday safety stand downs.
- Require leave chit risk assessments prior to authorizing leave.

## **5 Maintain high visibility within command.**


- Establish and enforce standards – defined command safety policy.
- Treat every mishap the same (i.e. PMV/Off-Duty Fatality hurts command as much as Class-A material mishap).
- Correct safety deficiencies immediately.
- Hold personnel ACCOUNTABLE for failure to follow regulations.

## **6 INSPECT for compliance.**

- Verify command policies are being followed.
- Demonstrate daily commitment to safety.
- Ensure experience level matches assigned duties.

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### We support the fleet through:

- Culture workshops
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- PCO briefings
- NAVOSHENVTRACEN Safety & Occupational Health Training
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- Interactive CD's
- Acquisition process in-roads
- Safety advisories
- Customer information requests (3,600+ database queries per month)
- Safety Center web site